

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A process ~~Process~~ for the material recycling of LCDs, ~~characterised in that the LCDs are at least partly employed as replacement for other raw materials~~

comprising

mixing the LCDs with a composition that comprises a mixture of noble and non-noble metals,

melting the mixture,

cooling the resultant melt,

breaking the cooled melt, and

separating a part of the cooled melt that is enriched in the noble metals from the remaining part of the cooled melt.

2. (Currently Amended) A process ~~Process~~ according to Claim 1, wherein the LCD-containing mixture is melted at a temperature range of ~~characterised in that the LCDs are thermally treated at a temperature in the range from 900 to 1700°C.~~

3. (Cancelled)

4. (Currently Amended) A process ~~Process~~ according to Claim 1, wherein the LCD-containing mixture is melted at a temperature range of ~~characterised in that the LCDs are mixed with other metal-containing products and thermally treated at a temperature in the range from 1200 to 1400°C.~~

5. (Currently Amended) A process ~~Process~~ according to Claim 1 ~~Claim 4,~~ wherein the LCDs comprise ~~characterised in that the metal-containing products comprise at least some of the electronic components of the LCDs.~~

6. (Cancelled)

7. (Currently Amended) In a process for recovering noble metals from a composition comprising a mixture of noble and non-noble metals, which process comprises melting the mixture and adding furnace sand to bind the non-noble metals, the improvement comprising replacing Process according to Claim 4, characterised in that the LCDs replace at least some of the furnace sand with LCDs usually employed in this process.

8. (Cancelled)

9. (Currently Amended) In a reductive melting process of metal-containing compositions for the recovery of metals, which process comprises the addition of a carbon-containing product as a reducing agent, the improvement comprising replacing Process according to Claim 4, characterised in that the plastic films present in the LCDs replace at least some of the carbon-containing product with LCDs, wherein the plastic films present in the LCDs act as the reducing agent products usually added as reducing agent in this process.

10. (Currently Amended) A process for the material recycling of LCDs, comprising thermally treating the LCDs Process according to Claim 1, characterised in that the LCDs are thermally treated as raw material and/or added material in a rotary-tube furnace furnaces at a temperature of of in the range from 1100 to 1300°C.

11. (Currently Amended) A process Process according to Claim 10, wherein characterised in that the LCDs as raw material and/or added material result in the formation of a protective film on the inner lining of the rotary-tube furnace furnaces.

12. (Currently Amended) In a process for increasing the lifespan of a chamotte lining in a rotary-tube furnace, which process comprises adding a silicate-containing compound to materials incinerated in said furnace to form a protective film on the walls of said furnace, the improvement comprising replacing Process according to Claim 10, wherein characterised in that the LCDs replace at least some of the silicate-containing compound with LCDs compounds usually employed in this process.

13-20. (Cancelled)

21. (Currently Amended) A process according to Claim 1, wherein the composition that comprises a mixture of noble and non-noble metals is an ore ~~Use of LCDs according to Claim 20, characterised in that the LCDs are employed in the recovery of noble metals from ores.~~

22. (Currently Amended) A process according to Claim 1, wherein the composition that comprises a mixture of noble and non-noble metals is a catalyst, ~~Use of LCDs according to Claim 20, characterised in that the LCDs are employed in the recovery of noble metals from catalysts, electrical or electronic scrap~~ or ~~and metal-containing~~ sludge ~~sludges.~~